1999/2000 Sound and Vibration Index

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PART 1: Chronological Index

January 1999
New Year, New Standards, *Randall J. Allemang*
Comparing Oranges and Bananas, *Jose Roberto F. Arruda*
Transducer/Signal Conditioner Overload Effects, *David Formenti*
GIF Animation of Mode Shapes and Other Data on the Internet, *Richard S. Pappa*
Ski and Snowboard Vibration, *Bard Glenne, Anthony DeRocco and Gary Foss*
Structural Model Identification from Real Operating Conditions, *Herman Van der Auweraer and Luc Hermans*

February 1999
The Role of Transducers in Measurement Society, *Peter Stein*
So Much Data, So Little Time. Rugged PC Helps Bombardier Optimize Flight Tests, *Martin Wolf*
The Exponential Window, *David Formenti*
Hopkinson Bar Acceptance Testing for Shock Accelerometers, *Jeffrey Dosch and Lin Jing*
The FFT Analyzer in Mechanical Engineering Education, *Robert Frey*

March 1999
Getting What You Want, *Strether Smith*
Accelerometer Selection Guidelines, *T. Berther and W. Zwolinski*
Microphone Selection Guidelines, *David Formenti and Trevor Norsworthy*
Why You Can't Ignore Those Vibration Fixture Resonances, *Peter Avitabile*
Spacecraft Acoustic and Random Vibration Test Optimization, *John C. Forgrave, Kin F. Man and James M. Newell*

April 1999
From the Inside: Musings on the Noise and Vibration Industry, *Gene Smiley and Maurice Mergeay*
Practical NVH Virtual Prototype Refinement
The Relationship Between % of Critical and Actual Damping in a Structure, *David Formenti*
Automotive Noise and Vibration Control Treatments, *Timothy Hirabayashi, David J. McCaa, Robert G. Rebandt II, Phillip Rusch and Pranab Saha*
Characteristics of the Vold-Kalman Order Tracking Filter, *Henrik Herlufsen, Svend Gade, H. Konstantin-Hansen and Håvard Vold*

May 1999
A Salute To Our Industry, *Nelson L. Baxter*
Preemptive Maintenance - The Road to Reliability, *J. Capra, J. Herlihy and J. Hutter*
Dynamic Range, *David Formenti*
S&V Geometry 101, *George Fox Lang*
Turbomachinery Condition Monitoring and Failure Prognosis Technology, *Henry C. Pusey*

June 1999
Tutorial – How to Deal With Consultants, *Chris D. Powell*
Accelerometer Dynamic Range, *David Formenti and Trevor Norsworthy*
Optimization of Vehicle Interior Noise Treatment, *James K. Thompson*
Dynamic Testing of Inflatable Spacecraft Structures, *Robert Engberg and John Lassiter*
Accelerometer Selection for Experimental Modal Analysis, *Patrick L. Walter*
Dynamic Characterization and Comparison of Golf Clubs, *Ron Merkel and Tom Blough*

July 1999
The ABC of Acoustics, *Eric E. Ungar*
Acoustic Testing Facility Raises Plant Capability, *John F. Impeduglia*
How to Check Condenser Microphones for Damage, *David Formenti and Trevor Norsworthy*
A Brief Social History of Active Sound Control, *Larry J. Eriksson*
Shaped Elastomeric Components for Vibration Control Devices, *Eugene I. Rivin*
Materials Buyer's Guide

August 1999
Old Equipment and Old Friends Are Welcome, *Donald R. Houser*
The Modal Handbook. A Multimedia, Computer Based Training and Reference Guide
Checking Piezoelectric Accelerometers for Damage, *David Formenti and Trevor Norsworthy*
New Developments in Multichannel Test Systems, *Richard W. Bono, Michael J. Dillon, Kevin B. Gatzwiller and David L. Brown*
Identifying Dynamic Loadings from Measured Responses, *Peter Avitabile, Fabio Piergentili and Ken Lown*

September 1999
The ABC of Acoustics, *Eric E. Ungar*
Data Physics and HP Team to Offer a New Real-Time Analyzer with Unlimited Measurement Channels, *George Fox Lang*
Transparent Soundwalls Along California Corridor, *Areg Gharabegian*
How Do We Define 'Overall' and 'Broadband,' *David Formenti and Greg Novak*
Objective Assessment of Vehicle Interior Noise Quality, *Franz K. Brandl, Warner Biermayer and Martin Pfluger*
Guidelines for the Design of Vehicle Acoustical Laboratories, *Richard A. Kolano and Kurt Traub*

October 1999
Komments on Y2Katerers . . . Lang's Last Harangue of the 20th Century, *George Fox Lang*
AutoSEA2 – A New Noise and Vibration Engineering Design Evaluation Tool
Do Mode Shapes Determined from Two Different Impact Testing Techniques Contain the Same Information?, *David Formenti*
Vibration Time History Testing, *Michael Garofalo and Phil Rogers*
Service Load Simulation on Multi-Axis Test Rigs, *Joris De Cuyper and Dominiek Coppens*
Buyer's Guide to Dynamic Testing Equipment

November 1999
Signs, Signs, Everywhere There're Signs, *Chris D. Powell*
PC-Based Vibration Monitoring System Enhances Fan Production Line, *Robert Mercado and Timothy D. Kuski*
Is It Important to Hit the Same Point in the Same Direction When Making Impact FRF Measurements, *David Formenti*
The History of Condition Monitoring and Condition Based Maintenance, *John S. Mitchell*
Modal Testing of Rotating Machinery While It Is Operating, *William D. Marscher*

December 1999
We Are Better At Rocket Science Than At Politics, *John Erdreich*
High Performance Machinery Enclosures
What is the Coherence Function and How Can It Be Used to Find Measurement and Test Setup Problems?, *David Formenti*
Acoustical Design Challenges in Theme Park Cinema Theaters, *Mark E. Rothermel and David A. Conant*
Reverberation Chamber Qualification at Low Frequencies, *Jerry G. Lilly*
TDS-RIM for Qualifying a High Frequency Anechoic Test Facility, *John Duda, Martin Hirschorn, Mark Gilbert and Guy Torio*

January 2000
How Many Times, *Randall J. Allemang*
Structural Dynamics/Modal Analysis – From Here to . . ., *David L. Brown*
Optimization Software Helps Design Low-Noise Rotorcraft Flight Procedures
What are the Sources of Variations in Frequency Response Function Measurements, *David Formenti*
A Cost-Effective Approach to Large Scale Modal Testing, *Mitty C. Plummer and Ratan Kumar*
On-Line Database of Vibration-Based Damage Detection Experiments, *Richard S. Pappa, Scott W. Doebling and Tina D. Kholwad*

1999/2000 Sound and Vibration Index

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PART 1: Chronological Index

January 1999
New Year, New Standards, *Randall J. Allemang*
Comparing Oranges and Bananas, *Jose Roberto F. Arruda*
Transducer/Signal Conditioner Overload Effects, *David Formenti*
GIF Animation of Mode Shapes and Other Data on the Internet, *Richard S. Pappa*
Ski and Snowboard Vibration, *Bard Glenne, Anthony DeRocco and Gary Foss*
Structural Model Identification from Real Operating Conditions, *Herman Van der Auweraer and Luc Hermans*

February 1999
The Role of Transducers in Measurement Society, *Peter Stein*
So Much Data, So Little Time. Rugged PC Helps Bombardier Optimize Flight Tests, *Martin Wolf*
The Exponential Window, *David Formenti*
Hopkinson Bar Acceptance Testing for Shock Accelerometers, *Jeffrey Dosch and Lin Jing*
The FFT Analyzer in Mechanical Engineering Education, *Robert Frey*

March 1999
Getting What You Want, *Strether Smith*
Accelerometer Selection Guidelines, *T. Berther and W. Zwolinski*
Microphone Selection Guidelines, *David Formenti and Trevor Norsworthy*
Why You Can't Ignore Those Vibration Fixture Resonances, *Peter Avitabile*
Spacecraft Acoustic and Random Vibration Test Optimization, *John C. Forgrave, Kin F. Man and James M. Newell*

April 1999
From the Inside: Musings on the Noise and Vibration Industry, *Gene Smiley and Maurice Mergeay*
Practical NVH Virtual Prototype Refinement
The Relationship Between % of Critical and Actual Damping in a Structure, *David Formenti*
Automotive Noise and Vibration Control Treatments, *Timothy Hirabayashi, David J. McCaa, Robert G. Rebandt II, Phillip Rusch and Pranab Saha*
Characteristics of the Vold-Kalman Order Tracking Filter, *Henrik Herlufsen, Svend Gade, H. Konstantin-Hansen and Håvard Vold*

May 1999
A Salute To Our Industry, *Nelson L. Baxter*
Preemptive Maintenance - The Road to Reliability, *J. Capra, J. Herlihy and J. Hutter*
Dynamic Range, *David Formenti*
S&V Geometry 101, *George Fox Lang*
Turbomachinery Condition Monitoring and Failure Prognosis Technology, *Henry C. Pusey*

June 1999
Tutorial – How to Deal With Consultants, *Chris D. Powell*
Accelerometer Dynamic Range, *David Formenti and Trevor Norsworthy*
Optimization of Vehicle Interior Noise Treatment, *James K. Thompson*
Dynamic Testing of Inflatable Spacecraft Structures, *Robert Engberg and John Lassiter*
Accelerometer Selection for Experimental Modal Analysis, *Patrick L. Walter*
Dynamic Characterization and Comparison of Golf Clubs, *Ron Merkel and Tom Blough*

July 1999
The ABC of Acoustics, *Eric E. Ungar*
Acoustic Testing Facility Raises Plant Capability, *John F. Impeduglia*
How to Check Condenser Microphones for Damage, *David Formenti and Trevor Norsworthy*
A Brief Social History of Active Sound Control, *Larry J. Eriksson*
Shaped Elastomeric Components for Vibration Control Devices, *Eugene I. Rivin*
Materials Buyer's Guide

August 1999
Old Equipment and Old Friends Are Welcome, *Donald R. Houser*
The Modal Handbook. A Multimedia, Computer Based Training and Reference Guide
Checking Piezoelectric Accelerometers for Damage, *David Formenti and Trevor Norsworthy*
New Developments in Multichannel Test Systems, *Richard W. Bono, Michael J. Dillon, Kevin B. Gatzwiller and David L. Brown*
Identifying Dynamic Loadings from Measured Responses, *Peter Avitabile, Fabio Piergentili and Ken Lown*

September 1999
The ABC of Acoustics, *Eric E. Ungar*
Data Physics and HP Team to Offer a New Real-Time Analyzer with Unlimited Measurement Channels, *George Fox Lang*
Transparent Soundwalls Along California Corridor, *Areg Gharabegian*
How Do We Define 'Overall' and 'Broadband,' *David Formenti and Greg Novak*
Objective Assessment of Vehicle Interior Noise Quality, *Franz K. Brandl, Warner Biermayer and Martin Pfluger*
Guidelines for the Design of Vehicle Acoustical Laboratories, *Richard A. Kolano and Kurt Traub*

October 1999
Komments on Y2Katerers . . . Lang's Last Harangue of the 20th Century, *George Fox Lang*
AutoSEA2 – A New Noise and Vibration Engineering Design Evaluation Tool
Do Mode Shapes Determined from Two Different Impact Testing Techniques Contain the Same Information?, *David Formenti*
Vibration Time History Testing, *Michael Garofalo and Phil Rogers*
Service Load Simulation on Multi-Axis Test Rigs, *Joris De Cuyper and Dominiek Coppens*
Buyer's Guide to Dynamic Testing Equipment

November 1999
Signs, Signs, Everywhere There're Signs, *Chris D. Powell*
PC-Based Vibration Monitoring System Enhances Fan Production Line, *Robert Mercado and Timothy D. Kuski*
Is It Important to Hit the Same Point in the Same Direction When Making Impact FRF Measurements, *David Formenti*
The History of Condition Monitoring and Condition Based Maintenance, *John S. Mitchell*
Modal Testing of Rotating Machinery While It Is Operating, *William D. Marscher*

December 1999
We Are Better At Rocket Science Than At Politics, *John Erdreich*
High Performance Machinery Enclosures
What is the Coherence Function and How Can It Be Used to Find Measurement and Test Setup Problems?, *David Formenti*
Acoustical Design Challenges in Theme Park Cinema Theaters, *Mark E. Rothermel and David A. Conant*
Reverberation Chamber Qualification at Low Frequencies, *Jerry G. Lilly*
TDS-RIM for Qualifying a High Frequency Anechoic Test Facility, *John Duda, Martin Hirschorn, Mark Gilbert and Guy Torio*

January 2000
How Many Times, *Randall J. Allemang*
Structural Dynamics/Modal Analysis – From Here to . . ., *David L. Brown*
Optimization Software Helps Design Low-Noise Rotorcraft Flight Procedures
What are the Sources of Variations in Frequency Response Function Measurements, *David Formenti*
A Cost-Effective Approach to Large Scale Modal Testing, *Mitty C. Plummer and Ratan Kumar*
On-Line Database of Vibration-Based Damage Detection Experiments, *Richard S. Pappa, Scott W. Doebling and Tina D. Kholwad*

February 2000
Swan Song, *John L. Frarey*
Data Insurance, *Peter Stein*
A Novel Method of Strain Amplification for Piezoelectric Transducers, *Kan Deng and Paul Wlodkowski*
Differences in Measurement and Studio Microphones, *Marilyn Cooper and David Formenti*
Data Acquisition Using PC Multimedia Functions, *Mark Jay and Mark French*
An Improved Method for Estimating the Dynamic Properties of Materials, *Lauge Fuglsand Nielsen, N. Johan Wismer and Svend Gade*

March 2000
ABC of Acoustics, *Eric E. Ungar*
The Correct Balance Between Analysis and Test, *David O. Smallwood*
Improved, High-End Digital Data Recorders for Automotive and Aerospace Applications, *Larry Sato*
Excitation Direction in Modal Testing – Is it important?, *David Formenti*
Dynamic Validation of the X-34 Reusable Launch Vehicle, *David Hunt, Ralph Brillhart and Paul Blelloch*
A New Method for Rigid Body Inertia Property Estimation, *Mathew C. Witter, David L. Brown and Mike Dillon*

April 2000
ABC of Acoustics, *Eric E. Ungar*
A Personal Perspective, *Laymon N. Miller*
Fast Determination of Vehicle Sound Level per ISO 5130, *Richard J. Peppin and Svein Arne Nordby*
A New Wave in NVH, *Michael F. Cooper, Carl J. Volk, Jr., and Alan L. Johnson*
NVH Target Management Closes the Product Evaluation Loop, *Alun Crewe, Garry Dunne and Roger Williams*
Sound Quality Engineering of a Virtual Automobile, *Patrick Van de Ponseele and Neil Kirtley*

May 2000
The Net Effect, *Nelson L. Baxter*
Machinery Condition Monitoring, *Henry C. Pusey*
BMW Uses Full-Vehicle Squeak & Rattle Test System for In-Line, End-of-the-Line Testing
Measurement of L_{eq} Using an Integrating SLM, *Dave Formenti*
Classification of Violent Environments that Cause Equipment Failure, *Howard A. Gaberson, Dharam Pal and Robert S. Chapler*
Space Shuffle Engine Signature Analysis Techniques, *Jen-Yi Jong, Wade D. Dorland, Tony Fiorucci, Thomas F. Zoladz and Thomas E. Nesman*

June 2000
Smart Transducers – Boon or Bane?, *Patrick L. Walter*
Fifty Years of Dynamic Measurement Instrumentation Developments, *Gunnar Rasmussen*
Modal Testing of a Radio Telescope Observatory
Display Operating Deflection Shapes from Nonstationary Data, *Håvard Vold, Brian Schwartz and Mark Richardson*
Vibro-Acoustic Modal Analysis of Automobile Body Cavity Noise, *Michael Kronast and Martin Hildebrandt*

July 2000
The ABC of Acoustics, *Eric E. Ungar*
Noise Control for a New Chicago Building
Choosing a Spectral Measurement for Data Analysis, *David Formenti*
Calculation and Assessment of Traffic Noise Exposure, *Wolfgang Probst and Bernd Huber*
Lodengraf Damping – An Advanced Vibration Damping Technology, *J. Robert Fricke*
Materials Buyer's Guide

August 2000
Something Gained . . . Something Lost, *Mark C. Rodamaker*
Evaluation of Wheel Noise During Train Pass-by
Analog was not a Computer Trademark!, *George Fox Lang*
Is Social Acceptance a Problem for Noise Control and Active Silencers?, *Martin Hirschorn and John Duda*

September 2000
The ABCs of Acoustics, *Eric E. Ungar*
A Trip Down Instrumentation Memory Lane, *Tony Keller*
Vibration Tests Determine Seismic Danger Faced by Critical Turkish Viaduct
Model Updating – Endless Possibilities, *Peter Avitabile*
Tire Patch Exciter for Evaluating Automotive NVH Problems, *Eric Little*
Buyer's Guide to Dynamic Testing Equipment

October 2000
The ABC of Acoustics, *Eric E. Ungar*
Instrumentation Selection for Increased Productivity, *Richard Renck*
Modal Analysis Using Appropriated Excitation Techniques, *Claudie Hutin*
Using Analysis to Design for Drop or Other Shock Environments, *Thomas A. Deiters, Mary Baker, Kyle C. Indermuehle and Charles W. Engelhard*

November 2000
Quantization Noise in A/D Converters and National Elections, *George Fox Lang*
Fifty Years of Shaft Dynamics – Technical Musings from an Old Aggie, *Charles Jackson*
Quiet Steel Moves into Automotive Body Applications
A New Approach to Balancing, *Mitty C. Plummer*
Accelerometer Selection to Avoid Saturation in Vibration Measurements, *Ming Xu*

December 2000
NCAC – Who Are We?, *Noral D. Stewart*
A Lucky Man, *Per V. Brüel*
New Acoustical Testing Laboratory at NASA, *Beth A. Cooper, Alan Eckel, Trent Butcher and David Nelson*
Remodeling of a Lecture Hall to Support Multi-Media Functions, *Nathan Sevener and Fiona Gillan*
Renovating Old Urban Factory Buildings for Residential Use, *Angelo Campanella*
1999/2000 Sound and Vibration Index

PART 2: Subject Index

Accelerometer overload 1/99
Accelerometer saturation 11/00
Accelerometer selection 3/99,6/99
Accelerometers 6/99,8/99 2/99
Acoustical enclosures 12/99
Active sound control 7/99
Analog computers 8/00
Anechoic chambers 7/99,12/99,12/00
Automotive NVH treatments 4/99
Balancing 11/00
Coherence function 12/99
Complex modulus 2/00
Condition monitoring history 11/99
Constrained layer damping 11/00
Data acquisition 2/99,2/00
Data analysis 1/99
Data recorders 3/00
Dynamic loading analysis 8/99
Dynamic testing buyer's guide 10/99,9/00
Elastomeric vibration isolators 7/99
Equivalent sound level 5/00
FFT analysis 2/99
FRF measurements 11/99,1/00
Gear vibration 5/99
Golf club dynamics 6/99
Helicopter noise control 1/00
Highway noise barriers 9/99
Index 12/00
Inertia estimation 3/00
Inflatable spacecraft structures 6/99
Instrumentation buyer's guide 2/99,2/00
Instrumentation selection 10/00
Lecture hall acoustics 12/00
Materials buyer's guide 7/99,7/00
Microphone selection 3/99
Microphones 7/99,2/00
Modal analysis 10/00
Modal excitation 3/00
Modal handbook 8/99
Modal testing 10/99,11/99,1/00,6/00
Mode shape animation 1/99
Model correlation 3/00
Model updating 9/00
Multichannel test systems 8/99
Noise quality assessment 9/99
NVH control 4/00
NVH prototyping 4/99
NVH targeting 4/00
NVH treatment optimization 6/99
On-line database 1/00
Operating deflection shapes 6/00
Piezoelectric transducers 2/00
Preemptive maintenance 5/99
Production balancing 11/99
Real time analysis 9/99
Residential acoustics 12/00
Reverberation chambers 12/99
Seismic evaluation 9/00
Service simulation 10/99
Shock design analysis 10/00
Shock testing 5/00
Signature analysis 5/00
Ski vibration 1/99
Social acceptance 8/00
Sound quality 4/00
Spectral measurements 7/00
Squeak & rattle testing 5/00
Statistical energy analysis 10/99
Structural analysis 1/99
Test fixture analysis 3/99
Test optimization 3/99
Theme park acoustics 12/99
Tracking filters 4/99
Traffic noise exposure 7/00
Train noise 8/00
Turbomachinery monitoring 5/99
Vehicle noise 4/00
Vehicle test laboratories 9/99
Vibration damping 7/00
Vibration measurements 9/99
Vibration testing 10/99
Vibroacoustic analysis 6/00

PART 3: Author Index

Allemang, Randall J. 1/99,1/00
Arruda, Jose Roberto F. 1/99
Avitabile, Peter 3/99,8/99,9/00
Baker, Mary 10/00
Baxter, Nelson L. 5/99,5/00
Berther, T. 3/99
Biermayer, Warner 9/99
Blelloch, Paul 3/00
Blough, Tom 6/99
Bono, Richard W. 8/99
Brandl, Franz K. 9/99
Brillhart, Ralph 3/00
Brown, David L. 8/99,1/00,3/00
Brüel, Per V. 12/00
Butcher, Trent 12/00
Campanella, Angelo 12/00
Capra, J. 5/99
Chapler, Robert S. 5/00
Conant, David A. 12/99
Cooper, Beth A. 12/00
Cooper, Marilyn 2/00
Cooper, Michael F. 4/00
Coppens, Dominiek 10/99
Crewe, Alun 4/00
De Cuyper, Joris 10/99
Deiters, Thomas A. 10/00
Deng, Kan 2/00
DeRocco, Anthony 1/99
Dillon, Michael J. 8/99,3/00
Doebling, Scott W. 1/00
Dorland, Wade D. 5/00
Dosch, Jeffrey 2/99
Duda, John 12/99,8/00
Dunne, Garry 4/00
Eckel, Alan 12/00
Engberg, Robert 6/99
Engelhardt, Charles W. 10/00
Erdreich, John 12/99
Eriksson, Larry J. 7/99
Fiorucci, Tony 5/00
Forgrave, John C. 3/99
Formenti, David 1/99-12/99, 1/00-3/00,5/00,7/00
Foss, Gary 1/99
Frarey, John L. 2/00
French, Mark 2/00
Frey, Robert 2/99
Fricke, J. Robert 7/00
Gaberson, Howard A. 5/00
Gade, Svend 2/00
Garofalo, Michael 10/99
Gatzwiller, Kevin B. 8/99
Gharabegian, Areg 9/99
Gilbert, Mark 12/99
Gillan, Fiona 12/00
Glenne, Bard 1/99
Herlihy, J. 5/99
Herlufsen, Henrik 4/99
Hermans, Luc 1/99
Hildebrandt, Martin 6/00
Hirabayashi, Timothy 4/99
Hirschorn, Martin 12/99,8/00
Houser, Donald R. 8/99
Huber, Bernd 7/00
Hunt, David 3/00
Hutin, Claudie 10/00
Hutter, J. 5/99
Impeduglia, John F. 7/99
Indermuehle, Kyle C. 10/00
Jackson, Charles 11/00
Jay, Mark 2/00
Johnson, Alan L. 4/00
Jong, Jen-Yi 5/00
Keller, Tony 9/00
Kholwad, Tina D. 1/00
Kirtley, Neil 4/00
Kolano, Richard A. 9/99
Konstantin-Hansen, H. 4/99
Kronast, Michael 6/00
Kumar, Ratan 1/00
Kuski, Timothy D. 11/99
Lang, George Fox 5/99,9/99,10/99, 8/00,11/00
Lassiter, John 6/99
Lilly, Jerry G. 12/99
Lin, Jing 2/99
Little, Eric 9/00
Lown, Ken 8/99
Man, Kin F. 3/99
Marscher, William D. 11/99
Marsh, David 12/00
McCaa, David J. 4/99
Mercado, Robert 11/99
Mergeay, Maurice 4/99
Merkel, Ron 6/99
Miller, Laymon N. 4/00
Mitchell, John S. 11/99
Nelson, David 12/00
Nesman, Tomas E. 5/00
Newell, James M. 3/99
Nielsen Lauge F. 2/00
Nordby, Svein Arne 4/00
Norsworthy, Trevor 3/99,6/99,7/99,8/99
Novak, Greg 9/99
Pal, Dharam 5/00
Pappa, Richard S. 1/99,1/00
Peppin, Richard J. 4/00
Pfluger, Martin 9/99
Piergentili, Fabio 8/99
Plummer, Mitty C. 1/00,11/00
Powell, Chris D. 6/99,11/99
Probst, Wolfgang 7/00
Pusey, Henry C. 5/99,5/00
Rasmussen, Gunnar 6/00
Rebandt, Robert G. II 4/99
Renck, Richard 10/00
Richardson, Mark 6/00
Rivin, Eugene I. 7/99
Rodamaker, Mark C. 8/00
Rogers, Phil 10/99
Rothermel, Mark E. 12/99
Rusch, Phillip 4/99
Saha, Pranab 4/99
Sato, Larry 3/00
Schwarz, Brian 6/00
Sevener, Nathan 12/00
Smallwood, David O. 3/00
Smiley, Gene 4/99
Smith, Strether 3/99
Stein, Peter 2/99,2/00
Stewart, Noral D. 12/00
Thompson, James K. 6/99
Torio, Guy 12/99
Traub, Kurt 9/99
Ungar, Eric E. 7/99,9/99, 3/00,4/00,7/00,9/00,10/00
Van de Ponseele, Patrick 4/00
Van der Auweraer, Herman 1/99
Vold, Håvard 4/99,6/00
Volk, Carl J. Jr. 4/00
Walter, Patrick L. 6/99,6/00
Williams, Roger 4/00
Wismer, N. Johan 2/00
Witter, Mathew C. 3/00
Wlodkowski, Paul 2/00
Wolf, Martin 2/99
Xu, Ming 11/00
Zoladz, Thomas 5/00
Zwolinski, W. 3/99

Products and Literature

Cubed-Shaped Triaxial Accelerometer
The 8795A50 measures simultaneous acceleration signals in three orthogonal axes. The patented K-Shear® design employing quartz sensing elements provides a wide operating frequency range along with low sensitivity to thermal transients and base strain. Available in three model variations, this sensor can be used for measurements at cryogenic temperatures and applications up to 165° C. *Kistler Instrument Corp., Amherst, NY.*
Circle 201 on Inquiry Card

Multi-Channel Analyzer
FFT-3010 is an ultra-portable and rugged multichannel FFT analyzer that combines a portable industrial computer with a powerful A/D board and special FFT software to create a system that is unique. Features include: small size and weight for 8-channels, expandable to 16-channels, capable of measuring numerous static channels at the same time and presents all data in a single file and exports data to FlexPro, UFF, I-DEAS, Excel and ASCII formats. *Dewetron, Inc., Charlestown, RI.*
Circle 202 on Inquiry Card

Angular Accelerometer
SR-107VFR Angular Acclerometer allows users to change the scale factor and range to obtain optimum accuracy and readout match. Full measurement range is adjusted from ±1 to ±100 radians/sec^2 with a single external resistor change. Users have the flexibility to select a DC blocking option and define the associated cutoff frequency. *Columbia Research Laboratories, Inc., Woodlyn, PA.*
Circle 203 on Inquiry Card

Noise Control Systems
High acoustic performance Eckoustic® Functional Panels (EFPs) are advanced design, sound-absorbing unit panel systems for reducing background noise and reverberation in: indoor swimming pools, weight/exercise rooms, gymnasiums, aerobic areas, multipurpose rooms and more. The systems are easy to install, economic, durable and feature low maintenance. *Eckel Industries, Inc., Cambridge, MA.*
Circle 204 on Inquiry Card

Noise Control Video
A technical video tutorial on basic noise control features three modules: introduction to sound, basic noise control concepts and vibration and vehicle noise control. The video gives information about the physics of noise control and its implications. Included with the video are: course workbook, pretest questions and an optional post-test. *SAE International, Warrendale, PA.*
Circle 205 on Inquiry Card

Tri-Axial Linear Accelerometer
CXL02TG3 is a triaxial ±2 g high performance accelerometer designed for high-stability, low-noise applications such as inertial navigation, instrumentation and